

AMENDMENTS TO THE CLAIMS

Please replace the section heading for the claims as follows:

CLAIMS**CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

19. (new) A system for recycling raw materials from a plurality of streams generated by waste stream providers, comprising:

a waste stream monitoring module operable for:

monitoring production of items produced by a plurality of waste stream providers; and

determining an amount of reusable raw materials contained in a plurality of waste streams resulting from said production;

a waste stream provider interface and communications link operable for communicating production information from said plurality of waste stream providers to said waste stream monitoring module;

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a reusable materials database in communication with said waste stream monitoring module, said reusable materials database operable for storing said amount of reusable raw materials contained in said plurality of waste streams;

wherein said reusable raw materials are available for purchase;

a purchase price associated with each of said reusable raw materials, said purchase price stored in said reusable materials database; and

a user access interface and communications link operable for enabling a user to view said reusable raw materials, said user access interface in communication with said reusable materials database.

20. (new) The system of claim 19, further comprising a waste purchasing module operable for:

receiving a purchase request from said user via said user access interface and communications link, said user access interface in communication with said waste purchasing module;

selecting a suitable waste stream provider based upon said purchase request; and
issuing a purchase order to said suitable waste stream provider for fulfilling said purchase request.

21. (new) The system of claim 20, further comprising a recovery plant in communication with said suitable waste stream provider, said recovery plant receiving at least one of said plurality of waste streams from said suitable waste stream provider;

wherein said recovery plant recovers a specified amount of said reusable raw materials.

22. (new) The system of claim 21, wherein said specified amount of said reusable raw materials is transported to a location indicated by said user.

23. (new) The system of claim 22, wherein said waste purchasing module updates amounts of available reusable raw materials in said reusable materials database based on receipt of said reusable raw materials transported to said location.

24. (new) The system of claim 21, wherein one of said plurality of waste streams is generated from at least one original raw material and said reusable raw materials resulting from said recovery are different than said original raw material.

25. (new) The system of claim 19, wherein said waste stream monitoring module receives batch composition information associated with said plurality of waste streams via said waste stream provider interface and communications link and said waste stream

monitoring module determines said amount of reusable raw material based on said batch composition information.

26. (new) A method for recycling raw materials from a plurality of streams generated by waste stream providers, comprising:

monitoring production of items produced by a plurality of waste stream providers and determining an amount of reusable raw materials contained in a plurality of waste streams resulting from said production via a waste stream monitoring module;

communicating production information from said plurality of waste stream providers to said waste stream monitoring module via a waste stream provider interface and communications link;

storing said amount of reusable raw materials contained in said plurality of waste streams in a reusable materials database, said reusable materials database in communication with said waste stream monitoring module;

wherein said reusable raw materials are available for purchase;

associating a purchase price with each of said reusable raw materials, said purchase price stored in said reusable materials database; and

viewing said reusable raw materials via a user access interface and communications link, said user access interface in communication with said reusable materials database.

27. (new) The method of claim 26, further comprising:

receiving a purchase request from said user via said user access interface and communications link, said purchase request received at a waste purchasing module;

wherein said user access interface is in communication with said waste purchasing module;

selecting a suitable waste stream provider based upon said purchase request; and

issuing a purchase order to said suitable waste stream provider for fulfilling said purchase request.

28. (new) The method of claim 27, further comprising:

receiving at least one of said plurality of waste streams from said suitable waste stream provider at a recovery plant, said recovery plant in communication with said suitable waste stream provider; and

recovering a specified amount of said reusable raw materials by said recovery plant.

29. (new) The method of claim 28, further comprising:

transporting said specified amount of said reusable raw materials to a location indicated by said user.

30. (new) The method of claim 29, further comprising:

updating amounts of available reusable raw materials in said reusable materials database based on receipt of said reusable raw materials transported to said location, said updating performed by said waste purchasing module.

31. (new) The method of claim 28, wherein one of said plurality of waste streams is generated from at least one original raw material and said reusable raw materials resulting from said recovery are different than said original raw material.

32. (new) The method of claim 26, wherein said waste stream monitoring module receives batch composition information associated with said plurality of waste streams via said waste stream provider interface and communications link and said waste stream monitoring module determines said amount of reusable raw material based on said batch composition information.